

Summary of September and the Summer of 2010

AS WETTER THAN USUAL CONDITIONS IN JUNE AND JULY MERGED TO AUGUST, VERY DRY CONDITIONS CAME IN AUGUST. MUCH MORE RAIN FOLLOWED IN SEPTEMBER. SEPTEMBER 2010 WAS ONE OF THE WETTER SEPTEMBERS AT AUSTIN AND SAN ANTONIO. RAINFALL FROM A COLD FRONT LATE SEPTEMBER 2ND TO THE EARLY MORNING HOURS OF SEPTEMBER 3RD WAS FOLLOWED BY SCATTERED SHOWERS THE AFTERNOON OF THE 6TH AND RAINS ASSOCIATED WITH HERMINE THE 7TH THROUGH THE 8TH. ADDITIONAL RAIN CAME FROM ISOLATED SHOWERS THE WEEKEND OF SEPTEMBER 11TH AND 12TH TO TUESDAY THE 14TH, AND MORE WIDESPREAD RAIN SHOWERS FROM FRIDAY THE 17TH THROUGH SUNDAY THE 19TH. SCATTERED DAYTIME TO EARLY EVENING SHOWERS BROUGHT MORE RAIN ON MONDAY THE 20TH THROUGH SATURDAY THE 25TH, AND ISOLATED EARLY MORNING SHOWERS CAME WITH A COLD FRONT THE MORNING OF THE 26TH. THE REST OF THE MONTH FROM THE 27TH TO THE 30TH WAS DRY.

RAINFALL FOR SEPTEMBER 2010 WAS THE 2ND WETTEST SEPTEMBER AT AUSTIN MABRY, THE 13TH WETTEST AT AUSTIN BERGSTROM, AND THE 6TH WETTEST SEPTEMBER AT SAN ANTONIO. SEPTEMBER 2010 WAS NOT ONE OF THE WETTER SEPTEMBERS AT DEL RIO. RAINFALL AT DEL RIO WAS 2.06 INCHES IN SEPTEMBER OF 2010, EQUAL TO THE LATEST 30 YEAR 1971 TO 2000 AVERAGE.

THE LIST BELOW SHOWS THE WETTEST SEPTEMBERS AT AUSTIN, DEL RIO, AND SAN ANTONIO.

THE WETTEST SEPTEMBERS AT AUSTIN MABRY FROM 1856 TO 2010 ARE LISTED BELOW. THE 1971 TO 2000 NORMAL AT AUSTIN MABRY IS 2.91 INCHES, WHILE THE HISTORICAL 1856 TO 2010 AVERAGE IS 3.51 INCHES.

1. 20.78 SEPTEMBER 1921
2. 13.20 SEPTEMBER 2010
3. 12.78 SEPTEMBER 1874
4. 12.33 SEPTEMBER 1886
5. 10.54 SEPTEMBER 1873

THE WETTEST SEPTEMBERS AT AUSTIN BERGSTROM INTERNATIONAL AIRPORT FROM 1943 TO 2010 ARE LISTED BELOW. THE 1971 TO 2000 NORMAL AT AUSTIN BERGSTROM FOR SEPTEMBER IS 2.88 INCHES, WHILE THE HISTORICAL 1943 TO 2010 AVERAGE IS 3.29 INCHES.

1. 9.36 SEPTEMBER 1986
2. 8.82 SEPTEMBER 1957
3. 8.80 SEPTEMBER 1958
4. 6.98 SEPTEMBER 2009
5. 6.50 SEPTEMBER 1967
- ...
13. 5.15 SEPTEMBER 2010

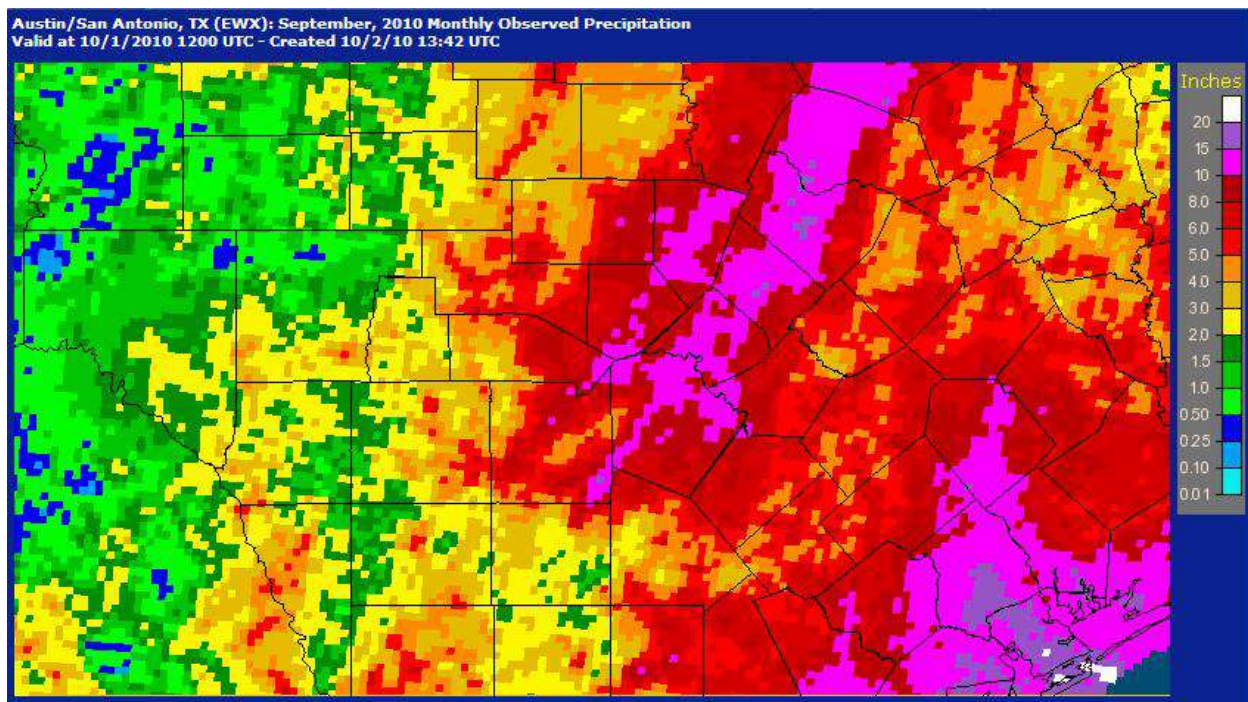
THE WETTEST SEPTEMBERS AT SAN ANTONIO INTERNATIONAL AIRPORT FROM 1871 TO 2010 ARE LISTED BELOW. THE 1971 TO 2000 NORMAL FOR SAN ANTONIO IS 3.00 INCHES, WHILE THE HISTORICAL 1871 TO 2010 AVERAGE IS 3.36 INCHES.

1. 15.78 SEPTEMBER 1946
2. 13.09 SEPTEMBER 1973
3. 11.71 SEPTEMBER 1874
4. 11.16 SEPTEMBER 1967
5. 11.10 SEPTEMBER 1957
6. 9.37 SEPTEMBER 2010

THE WETTEST SEPTEMBERS AT DEL RIO FROM 1906 TO 2010 ARE LISTED BELOW. AT DEL RIO 2.06 INCHES OF RAIN FELL IN SEPTEMBER OF 2010, EQUAL TO THE LATEST 1971 TO 2000 NORMAL. THE HISTORICAL 1906 TO 2010 AVERAGE RAIN IN SEPTEMBER AT DEL RIO IS 2.50 INCHES.

1. 15.79 SEPTEMBER 1964
2. 9.95 SEPTEMBER 1932
3. 9.87 SEPTEMBER 1970
4. 9.74 SEPTEMBER 1919
5. 7.07 SEPTEMBER 1991

THE HEAVIEST RAINFALL AMOUNTS IN SEPTEMBER WERE FROM SEPTEMBER 7TH TO 8TH ASSOCIATED WITH TROPICAL STORM HERMINE. THE GREATEST AMOUNTS OF RAIN WAS OBSERVED IN WILLIAMSON COUNTY AT THE COOPERATIVE WEATHER STATION NEAR GEORGETOWN LAKE, WHERE 16.37 INCHES OF RAIN FELL FROM THE 7TH TO THE 8TH, 14.57 INCHES OF WHICH FELL IN 24 HOURS. RECORD DAILY RAINFALL AMOUNTS OF 7.04 INCHES FELL AT AUSTIN MABRY THE 7TH, 3.69 INCHES AT SAN ANTONIO THE 7TH, AND 3.54 INCHES AT AUSTIN BERGSTROM ON SEPTEMBER 7TH. ON SEPTEMBER 8TH A RECORD DAILY RAINFALL OF 2.83 INCHES WAS OBSERVED AT SAN ANOTNIO. THE IMAGE BELOW SHOWS THE RAINFALL THAT CAME IN SEPTEMBER 2010 ACROSS SOUTH CENTRAL TEXAS.



Summer of 2010 Summary

THE SUMMER OF 2010 WAS A TRANSITIONAL SUMMER FROM STORMY WEATHER AND MORE RAIN THAN USUAL IN JUNE AND JULY TO WARMER AND MUCH DRIER IN AUGUST.

A NUMBER OF 100 DEGREE DAYS CAME IN 2009, AND JUNE TO AUGUST OF 2009 WAS THE HOTTEST SUCH PERIOD AT AUSTIN, DEL RIO, AND SAN ANTONIO. A RECORD NUMBER OF 100 DEGREE DAYS WAS OBSERVED AT SAN ANTONIO AND AUSTIN BERGSTROM IN 2009.

ALTHOUGH JUNE TO AUGUST 2010 WAS NOT ONE OF THE HOTTER JUNE TO AUGUST PERIODS LIKE 2009, OVERALL CONDITIONS WARMED SIGNIFICANTLY IN AUGUST 2010 FROM MODERATED CONDITIONS IN JULY. IN EARLY JUNE THERE WERE A FEW DAYS WHERE DAYTIME HIGHS ATTEMPTED TO BECOME WARMER THAN USUAL FROM JUNE 4TH TO JUNE 6TH; HOWEVER, A QUICK RETURN TO MORE SHOWERS LIMITED THE EARLY JUNE WARMING TREND. THE WARMING TRENDS IN THE SUMMER OF 2010 WERE ENHANCED BY MORE HUMIDITY, THAT CAUSED A HIGHER HEAT INDEX. IN THE SUMMER OF 2009 THE TEMPERATURES WERE HOTTER, YET THE HUMIDITY WAS MOSTLY LOWER.

FOR 2010 A NUMBER OF 100 DEGREE DAYS CAME IN AUGUST FOLLOWED BY A FEW MORE IN EARLY SEPTEMBER. THE TABLE BELOW SHOWS A BRIEF COMPARISON OF 100 DEGREE DAYS IN 2010 THROUGH SEPTEMBER 30TH COMPARED WITH YEAR 2009.

LOCATION	100 DEG DAYS IN AUGUST 2010	100 DEG DAYS IN YEAR 2010 JAN. – SEP.	100 DEG DAYS IN YEAR 2009
AUSTIN MABRY	21	22	68
AUSTIN BERGSTROM	15	15	55
LA GRANGE	3	3	54
BURNET	7	7	27
KERRVILLE	3	3	31
HONDO	21	22	68
UVALDE	15	15	67
DEL RIO	19	20	65
NEW BRAUNFELS	18	18	72
SAN ANTONIO STINSON	21	23	70
SAN ANTONIO INTERNATIONAL AIRPORT	7	7	59

THE HOTTEST DAY FOR 2010 THROUGH SEPTEMBER 30TH CAME ON AUGUST 23RD AT DEL RIO AND ON AUGUST 24TH AT AUSTIN, BURNET, HONDO, KERRVILLE, NEW BRAUNFELS, SAN ANTONIO, AND UVALDE. THE HOTTEST DAY AT LA GRANGE WAS ON AUGUST 16TH, 23RD, AND 24TH. THE HOTTEST DAYS FROM JANUARY 1ST TO SEPTEMBER 30TH, 2010 AT THESE LOCATIONS ARE LISTED BELOW.

LOCATION	HOTTEST DAY FROM JAN. 1 TO SEP. 30, 2010
AUSTIN MABRY	107....AUGUST 24
AUSTIN BERGSTROM	107....AUGUST 24
LA GRANGE	101....AUGUST 16, 23, AND 24
BURNET	103....AUGUST 24
KERRVILLE	103....AUGUST 24
HONDO	106....AUGUST 24
UVALDE	106....AUGUST 24
DEL RIO	104....AUGUST 23
NEW BRAUNFELS	106....AUGUST 24
SAN ANTONIO STINSON	107...AUGUST 24
SAN ANTONIO INTERNATIONAL AIRPORT	103....AUGUST 24

THE SUMMER HEAT THAT MADE AUGUST 2010 ONE OF THE WARMER AUGUST MONTHS AT AUSTIN, DEL RIO, AND SAN ANTONIO CONTINUED ON SEPTEMBER 1ST AND 2ND. DESPITE ADEQUATE RAINS IN THE WINTER TO EARLY SUMMER, CONDITIONS WARMED UP RAPIDLY IN LATE JULY THROUGH AUGUST THIS YEAR. CONDITIONS WARMED UP FASTER AT AUSTIN, WHERE LESS RAIN FELL FROM THE WINTER TO THE EARLY SPRING. JUNE TO AUGUST 2010 WAS ONE OF THE WARMER JUNE TO AUGUST PERIODS AT AUSTIN AND SAN ANTONIO. JUNE TO AUGUST 2010 TIED FOR THE 5TH WARMEST AT AUSTIN MABRY WITH 1956 AND 2006, AND TIED FOR THE 10TH WARMEST JUNE TO AUGUST AT SAN ANTONIO WITH 1948, 1956, 1964, AND 1993. AT DEL RIO, AFTER A VERY WET SPRING AND EARLY SUMMER, IT WAS NOT ONE OF THE WARMER JUNE TO AUGUST PERIODS THIS YEAR.

THE LIST BELOW SHOWS THE WARMEST JUNE TO AUGUST PERIODS AT AUSTIN AND SAN ANTONIO.

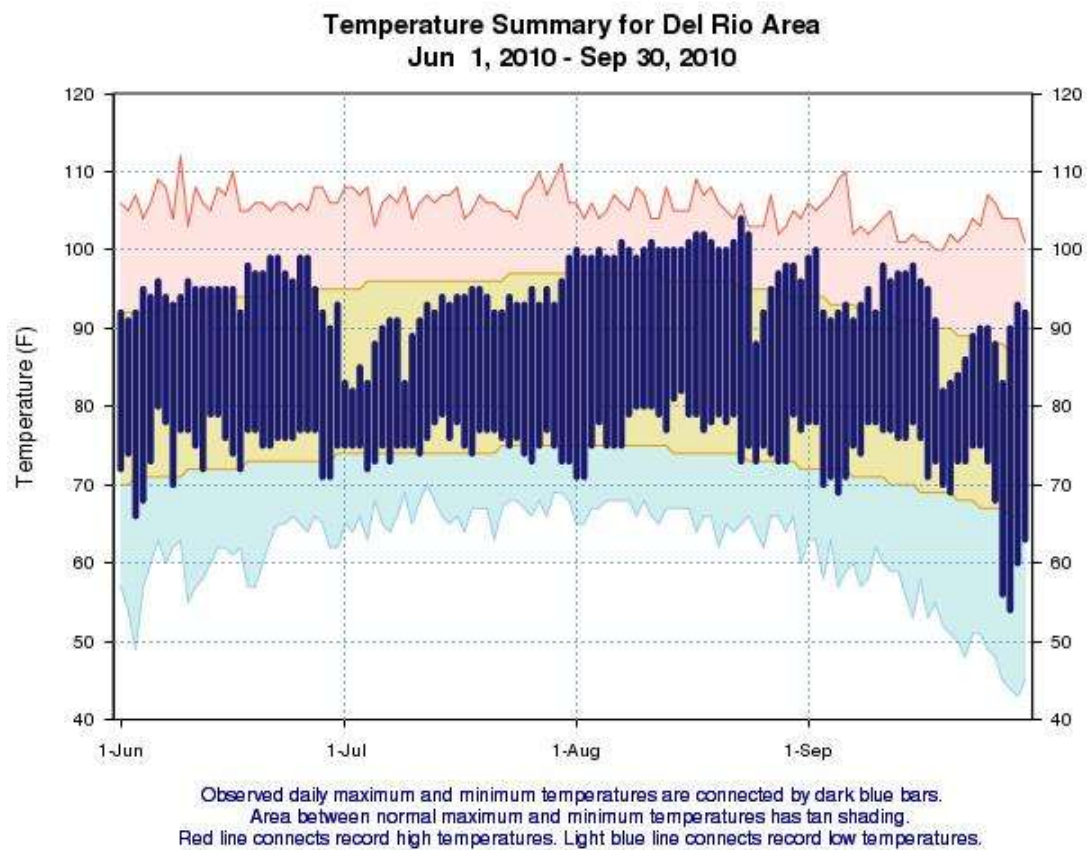
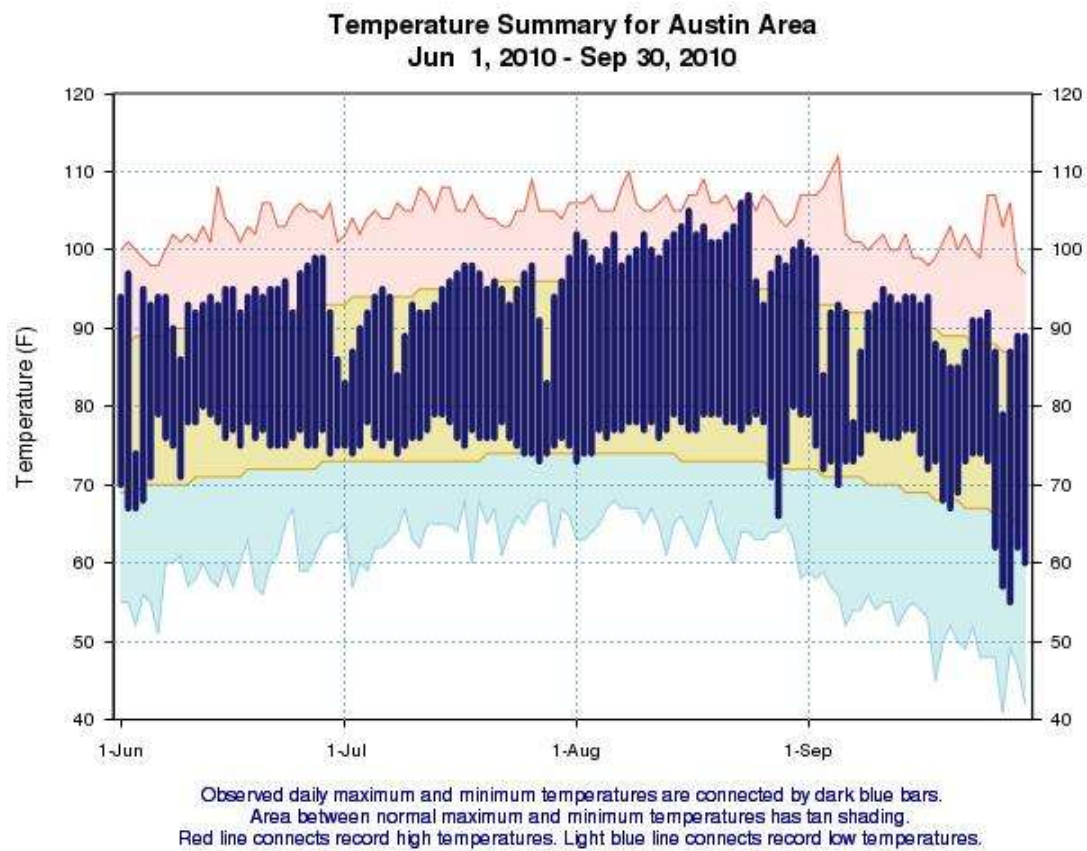
AUSTIN MABRY WARMEST JUNE TO AUGUST 1854 TO 2010

1. 88.4 2009
2. 86.7 1998 AND 2008
3. 86.2 1925 AND 1980
4. 86.1 1923
5. 85.8 1956, 2006 AND 2010

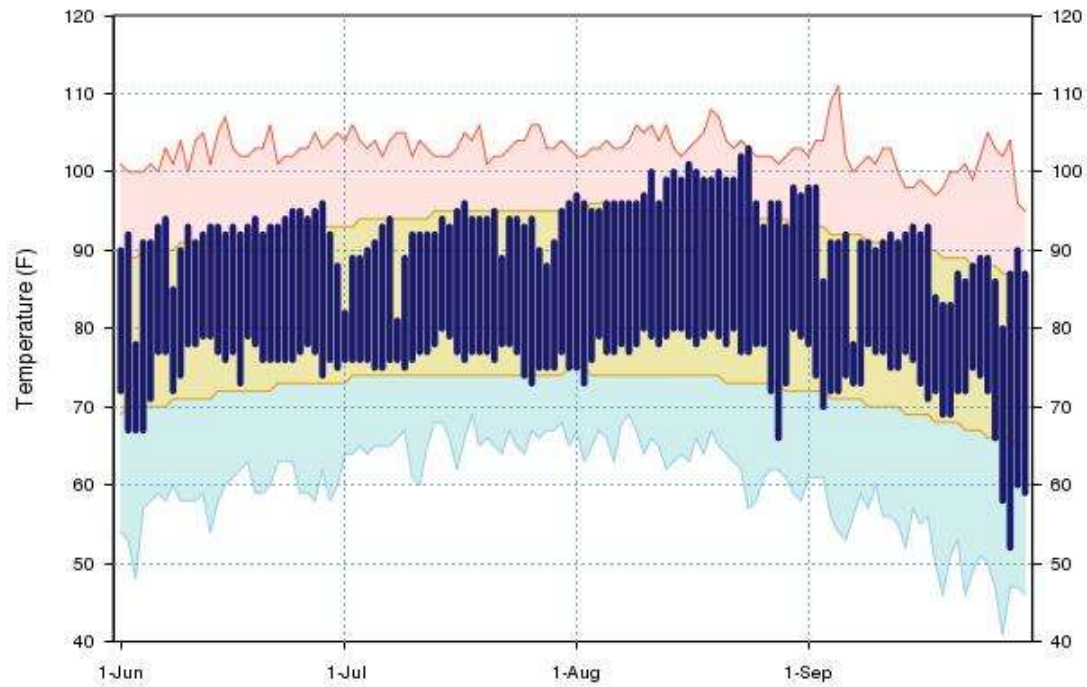
SAN ANTONIO WARMEST JUNE TO AUGUST 1885 TO 2010

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|-----------------------|--|
| 1. 87.8 2009 | 6. 85.4 1990 |
| 2. 86.2 1980 AND 1994 | 7. 85.3 1954, 1989 AND 1996 |
| 3. 86.0 1998 | 8. 85.2 1951 AND 1953 |
| 4. 85.9 2006 | 9. 85.1 2008 |
| 5. 85.6 1962 | 10. 85.0 1948, 1956, 1964, 1993 AND 2010 |

THE CHARTS BELOW SHOW THE HIGHS AND LOWS FROM JUNE TO SEPTEMBER 2010.



Temperature Summary for San Antonio Area
Jun 1, 2010 - Sep 30, 2010



Observed daily maximum and minimum temperatures are connected by dark blue bars.
Area between normal maximum and minimum temperatures has tan shading.
Red line connects record high temperatures. Light blue line connects record low temperatures.